

Claims

What is claimed is:

- 1 1. A method of responding to a demand for restoration of lost offline
2 peer-to-peer transaction records comprising:
3 attempting to verify transactions for a plurality of lost transaction
4 records through another party to the corresponding transaction;
5 assigning an accuracy indicator to transactions of the plurality of lost
6 transaction records wherein the accuracy indicator indicates whether the
7 transaction is verified directly through another party to the corresponding
8 transaction; and
9 determining whether transaction records of the plurality should be
10 restored based on the assigned accuracy indicators.

- 1 2. The method according to claim 1, wherein said lost transaction records
2 include access rights to digital media.

- 1 3. The method according to claim 1, further comprising restoring selected
2 ones of the lost transaction records.

- 1 4. The method according to claim 3, wherein said restoring comprises
2 restoring only those transaction records that are verified directly.

- 1 5. The method according to claim 3, wherein said restoring comprises
2 restoring at least one of the lost transaction records before the transaction is
3 verified through the other party to the transaction.

- 1 6. The method according to claim 3, wherein said determining comprises
2 receiving a log of transaction records from each other party to the transactions
3 for the lost transaction records whose record of the transaction is not lost.

1 7. The method according to claim 6, wherein the accuracy indicator
2 further indicates whether the transaction record for a transaction is verified
3 indirectly through another party to the corresponding transaction.

1 8. The method according to claim 7, wherein the accuracy indicator
2 indicates the number of parties through which the transaction is verified
3 indirectly.

1 9. The method according to claim 7, wherein said restoring comprises
2 restoring only those transaction records that are verified directly and those that
3 are verified indirectly through one other party.

1 10. The method according to claim 3, wherein said determining is
2 performed based on a ratio of a number of verified transactions to a number of
3 lost transactions.

1 11. The method according to claim 10, wherein when the ratio exceeds a
2 threshold, said restoring comprises restoring at least one of the lost transaction
3 records before the transaction is verified through the other party to the
4 transaction.

1 12. The method according to claim 10, wherein the ratio is of directly
2 verified transactions to a number of lost transactions and when the ratio
3 exceeds a threshold, said restoring comprises restoring at least one transaction
4 that is not directly verified.

1 13. The method according to claim 3, wherein said determining is further
2 based on a history for the party making the demand.

1 14. The method according to claim 13, wherein the history for the party
2 indicates whether the party has made one or more previous demands for
3 restoration of lost transaction records.

1 15. The method according to claim 13, wherein the history for the party
2 indicates verified and unverified transactions.

1 16. The method according to claim 10, wherein the unverified transactions
2 include refuted transactions.

1 17. The method according to claim 10, wherein the unverified transactions
2 include transactions for which a transaction log of another party to the
3 transaction is unavailable.

1 18. The method according to claim 13, wherein the history for the party
2 includes a ratio of a number of verified transactions to a number of lost
3 transactions.

1 19. The method according to claim 18, wherein when the ratio exceeds a
2 threshold, said restoring comprises restoring at least one of the lost transaction
3 records before the transaction is verified through the other party to the
4 transaction.

1 20. The method according to claim 18, wherein the ratio is of directly
2 verified transactions to a number of lost transactions and when the ratio
3 exceeds a threshold, said restoring comprises restoring at least one transaction
4 that is not directly verified.

1 21. The method according to claim 10, wherein the party is blacklisted
2 when the number of unverified transactions exceeds a threshold.

1 22. The method according to claim 21, wherein when the party is
2 blacklisted, said restoring comprises restoring only those transaction records
3 that are verified directly.

1 23. A content provider for responding to a demand for restoration of lost
2 transaction records wherein the content provider assigns an accuracy indicator
3 to transactions of the plurality of lost transaction records based on attempts to

4 verify transactions through another party to the corresponding transaction, and
5 determines whether to restore selected ones of the lost transaction records
6 based on the assigned accuracy indicators.

1 24. A program storage device readable by a machine, tangibly embodying
2 a program of instructions executable by the machine to perform method steps
3 for responding to a demand for restoration of lost peer-to-peer transaction
4 records comprising:

5 attempting to verify transactions for a plurality of lost transaction
6 records through another party to the corresponding transaction;
7 assigning an accuracy indicator to transactions of the plurality of lost
8 transaction records wherein the accuracy indicator indicates whether the
9 transaction is verified directly through another party to the corresponding
10 transaction; and
11 determining whether transaction records of the plurality should be
12 restored based on the assigned accuracy indicators.